

Title (en)

Longitudinally coupled resonator-type surface acoustic wave filter

Title (de)

Akustisches Oberflächenwellenfilter vom longitudinal gekoppelten Resonatortyp

Title (fr)

Filtre à ondes acoustiques de surface du type à résonateur couplé longitudinalement

Publication

**EP 1152529 A3 20080625 (EN)**

Application

**EP 01400994 A 20010418**

Priority

- JP 2000116815 A 20000418
- JP 2001020456 A 20010129

Abstract (en)

[origin: EP1152529A2] A longitudinally coupled resonator-type surface acoustic wave filter (1) includes a piezoelectric substrate (2) and at least three IDTs (13-15) provided on the piezoelectric substrate along the propagation direction of the surface acoustic wave and each having a plurality of electrode fingers. In at least one of the IDTs (e.g. 13), the electrode finger period of a first portion (13a,13b) that is adjacent to the side edge of another IDT (14) in the propagation direction of the surface acoustic wave is different from the electrode finger period of a second portion (13c-13g) that is the remaining part of the IDT.

IPC 8 full level

**H03H 9/64** (2006.01); **H03H 9/00** (2006.01); **H03H 9/145** (2006.01); **H03H 9/25** (2006.01); **H03H 9/72** (2006.01)

CPC (source: EP KR US)

**H03H 9/0042** (2013.01 - EP US); **H03H 9/0057** (2013.01 - EP US); **H03H 9/008** (2013.01 - EP US); **H03H 9/0085** (2013.01 - EP US); **H03H 9/14582** (2013.01 - EP US); **H03H 9/14588** (2013.01 - EP US); **H03H 9/64** (2013.01 - KR); **H03H 9/6436** (2013.01 - EP US); **H03H 9/6469** (2013.01 - EP US)

Citation (search report)

- [X] EP 0961405 A2 19991201 - TOSHIBA KK [JP]
- [X] JP H09246901 A 19970919 - TOSHIBA CORP
- [A] DE 19753664 A1 19980702 - MURATA MANUFACTURING CO [JP]

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